ArcelorMittal Burns Harbor, LLC.
Flat Carbon Steel

ArcelorMittal

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
Mr. James Filippini
Mr. Douglas Lamb
Water Division Compliance Branch
United States Environmental Protection Agency, Region V
77 West Jackson Boulevard (WC-15J)
Chicago, Illinois 60604-3590

August 31, 2012
PJ/DW

Subject: Annual Dock Wall Observation and Repair
Consent Decree – Case No. 2:96-CV-96-RL-1
ArcelorMittal Burns Harbor LLC

Dear Messrs. Filippini and Lamb:

Attachment 1 is the summary report of the annual dock wall inspection for 2012. This document summarizes the results of the annual dock wall observation that was conducted on August 7, 2012 by Weaver Boos Consultants, LLC, a contractor to ArcelorMittal Burns Harbor, as required by Paragraph 21 of the subject decree.

During the annual observation, eight (8) locations were found along the dock wall with discernible discharges of flowing water. Notification regarding these findings was made via e-mail to Ms. Jennifer Cheever (EPA 5 Water Division) and Ms. Susan Prout (EPA 5 Office of Regional Counsel) by T. E. Kirk on August 8, 2012.

All of the locations were found in the coffer dam section of the dock wall. The height above the Lake Michigan level and the estimated flow from each location is noted in Attachment 1.

Samples were obtained from all locations and submitted to a contract analytical laboratory for nitrogen-ammonia analysis. The results of these analyses are provided in Attachment 2. The results are also summarized in the Attachment 1 table and used to estimate the amount of ammonia discharged, on a daily basis, from these locations. Digital photographs of each of the locations were also obtained and are provided in Attachment 3.

ArcelorMittal Burns Harbor, LLC.
Environmental Mgmt. Dept.
250 W. U.S. Highway 12
Burns Harbor, IN 46304
USA

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ArcelorMittal

Repairs are scheduled to begin on September 10, 2012. Photographs of the locations after repair/sealing will be provided in a separate report.

No one particular cause for the discharges was identified. Because all of the discharges were observed along the coffer dam section of the harbor wall and the nitrogen-ammonia concentration of the discharges is below the concentration of the groundwater being captured by the dewatering well system (i.e., average of 7.8mg/L for the previous 12 months), it is surmised that these concrete cellular revetments were discharging accumulated stormwater runoff that had inadvertently seeped through the caps of these structures. Therefore, the source of the water is not groundwater that is adequately being controlled by the dewatering well system. Based on the ammonia concentrations and estimated flows summarized in Attachment 1, less than three quarters of one pound of ammonia per day was being discharged to the harbor from all 8 locations. Notwithstanding, Burns Harbor has responded as quickly as possible to the identification of the locations in order to timely minimize and/or eliminate any potential impact.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R. A. Maciel, Manager
Environmental Management Department

Attachments

CC: J. Jungmann, EPA Region 5 Water Division (WC-15J)

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ArcelorMittal Burns Harbor, LLC
Annual Dock Wall Observation
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 1 – Summary Report of the Annual dock Wall Inspection

ArcelorMittal Burns Harbor, LLC
August 7, 2012 Dock Wall Inspection
Performed by: Weaver Boos Consultants

ID Number	Height Above Water (feet)	Estimated Flow Rate (Liters/minute)	Estimated Flow (Gal/Min)	Ammonia Concentration* (mg/L)	Ammonia Dischage (Pounds/day)	Date of Repair
12-1	0.2	20	5.3	5.0	0.31	TBD
12-2	7	8	2.1	4.8	0.12	TBD
12-3	8	2	0.5	2.2	0.01	TBD
12-4	5	2	0.5	0.8	<0.01	TBD
12-5	7	1.5	0.4	5.5	0.03	TBD
12-6	2	8	2.1	3.2	0.08	TBD
12-7	2	20	5.2	2.5	0.16	TBD
12-8	1	3	0.8	0.1	<.01	TBD

Total Potential Ammonia Discharge (pounds per day) from all locations: **0.73**

* Results reported are the larger of the sample and duplicate analysis.

ArcelorMittal Burns Harbor, LLC
Annual Dock Wall Observation
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 2 – Nitrogen Ammonia Analytical Results

Microbac

August 15, 2012

Arcelor Mittal USA, Inc.
250 W US Highway 12
Burns Harbor, IN 46304-9745

Work Order No.: 12H0322

Re: Ore Dock Wall

Dear Teri Kirk:

Microbac Laboratories, Inc. - Chicagoland Division received 16 sample(s) on 8/8/2012 10:10:00AM for the analyses presented in the following report as Work Order 12H0322.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please contact your project manager. For any feedback, please contact Robert Crookston, Interim Managing Director at robert.crookston@microbac.com. You may also contact Sean Hyde, Chief Operating Officer at sean.hyde@microbac.com or James Nokes, President at james.nokes@microbac.com.

Sincerely,
Microbac Laboratories, Inc.

Carey Gadzala

Carey Gadzala
Project Manager

Microbac

WORK ORDER SAMPLE SUMMARY

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Project: Ore Dock Wall
Lab Order: 12H0322

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
12H0322-01	12-1		08/07/2012 09:20	8/8/2012 10:10:00AM
12H0322-02	12-1D		08/07/2012 09:20	8/8/2012 10:10:00AM
12H0322-03	12-2		08/07/2012 09:55	8/8/2012 10:10:00AM
12H0322-04	12-2D		08/07/2012 09:55	8/8/2012 10:10:00AM
12H0322-05	12-3		08/07/2012 10:10	8/8/2012 10:10:00AM
12H0322-06	12-3D		08/07/2012 10:10	8/8/2012 10:10:00AM
12H0322-07	12-4		08/07/2012 10:52	8/8/2012 10:10:00AM
12H0322-08	12-4D		08/07/2012 10:52	8/8/2012 10:10:00AM
12H0322-09	12-5		08/07/2012 11:05	8/8/2012 10:10:00AM
12H0322-10	12-5D		08/07/2012 11:05	8/8/2012 10:10:00AM
12H0322-11	12-6		08/07/2012 11:25	8/8/2012 10:10:00AM
12H0322-12	12-6D		08/07/2012 11:25	8/8/2012 10:10:00AM
12H0322-13	12-7		08/07/2012 11:35	8/8/2012 10:10:00AM
12H0322-14	12-7D		08/07/2012 11:35	8/8/2012 10:10:00AM
12H0322-15	12-8		08/07/2012 11:50	8/8/2012 10:10:00AM
12H0322-16	12-8D		08/07/2012 11:50	8/8/2012 10:10:00AM

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client:	Arcelor Mittal USA, Inc.		
Client Project:	Ore Dock Wall		
Client Sample ID:	12-1	**Work Order/ID:**	12H0322-01
Sample Description:		**Sampled:**	08/07/2012 9:20
Matrix:	Aqueous	**Received:**	08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/14/2012 11:00**
Nitrogen, Ammonia (As N)	A	***5.0***	0.10		mg/L	1	08/14/2012 16:07

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-1D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-02
Sampled: 08/07/2012 9:20
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0					Analyst: GRIEF
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation					Prep Date/Time: 08/14/2012 14:10
Nitrogen, Ammonia (As N)	A	*3.8*	0.10		mg/L	1	08/15/2012 9:47

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-2
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-03
Sampled: 08/07/2012 9:55
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/14/2012 14:10**
Nitrogen, Ammonia (As N)	A	***4.8***	0.10		mg/L	1	08/15/2012 9:49

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-2D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-04
Sampled: 08/07/2012 9:55
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/14/2012 14:10**
Nitrogen, Ammonia (As N)	A	***4.3***	0.10		mg/L	1	08/15/2012 9:51

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client:	Arcelor Mittal USA, Inc.		
Client Project:	Ore Dock Wall		
Client Sample ID:	12-3	**Work Order/ID:**	12H0322-05
Sample Description:		**Sampled:**	08/07/2012 10:10
Matrix:	Aqueous	**Received:**	08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/14/2012 14:10**
Nitrogen, Ammonia (As N)	A	***2.0***	0.10		mg/L	1	08/15/2012 9:53

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-3D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-06
Sampled: 08/07/2012 10:10
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/14/2012 14:10**
Nitrogen, Ammonia (As N)	A	*2.2*	0.10		mg/L	1	08/15/2012 9:55

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-4
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-07
Sampled: 08/07/2012 10:52
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/14/2012 14:10**
Nitrogen, Ammonia (As N)	A	***0.68***	0.10		mg/L	1	08/15/2012 9:57

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client:	Arcelor Mittal USA, Inc.		
Client Project:	Ore Dock Wall		
Client Sample ID:	12-4D	**Work Order/ID:**	12H0322-08
Sample Description:		**Sampled:**	08/07/2012 10:52
Matrix:	Aqueous	**Received:**	08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/14/2012 14:10**
Nitrogen, Ammonia (As N)	A	***0.77***	0.10		mg/L	1	08/15/2012 9:59

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-5
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-09
Sampled: 08/07/2012 11:05
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0					Analyst: GRIEF
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation					Prep Date/Time: 08/14/2012 14:10
Nitrogen, Ammonia (As N)	A	*5.5*	0.10		mg/L	1	08/15/2012 10:01

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-5D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-10
Sampled: 08/07/2012 11:05
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: *EPA 350.1 Rev 2.0*					Analyst: GRIEF
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/15/2012 09:25**
Nitrogen, Ammonia (As N)	A	***5.2***	0.10		mg/L	1	08/15/2012 10:33

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-6
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-11
Sampled: 08/07/2012 11:25
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/15/2012 09:25**
Nitrogen, Ammonia (As N)	A	***3.2***	0.10		mg/L	1	08/15/2012 10:39

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client:	Arcelor Mittal USA, Inc.		
Client Project:	Ore Dock Wall		
Client Sample ID:	12-6D	**Work Order/ID:**	12H0322-12
Sample Description:		**Sampled:**	08/07/2012 11:25
Matrix:	Aqueous	**Received:**	08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0					Analyst: GRIEF
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation					Prep Date/Time: 08/15/2012 09:25
Nitrogen, Ammonia (As N)	A	*3.2*	0.10		mg/L	1	08/15/2012 10:41

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-7
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-13
Sampled: 08/07/2012 11:35
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: EPA 350.1 Rev 2.0					Analyst: GRIEF
Nitrogen, Ammonia as N		Prep Method: Aqueous Ammonia Distillation					Prep Date/Time: 08/15/2012 09:25
Nitrogen, Ammonia (As N)	A	*2.4*	0.10		mg/L	1	08/15/2012 10:43

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-7D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-14
Sampled: 08/07/2012 11:35
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/15/2012 09:25**
Nitrogen, Ammonia (As N)	A	***2.5***	0.10		mg/L	1	08/15/2012 10:45

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client:	Arcelor Mittal USA, Inc.		
Client Project:	Ore Dock Wall		
Client Sample ID:	12-8	**Work Order/ID:**	12H0322-15
Sample Description:		**Sampled:**	08/07/2012 11:50
Matrix:	Aqueous	**Received:**	08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/15/2012 09:25**
Nitrogen, Ammonia (As N)	A	***ND***	0.10		mg/L	1	08/15/2012 10:47

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Analytical Results

Date: *Wednesday, August 15, 2012*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall
Client Sample ID: 12-8D
Sample Description:
Matrix: Aqueous

Work Order/ID: 12H0322-16
Sampled: 08/07/2012 11:50
Received: 08/08/2012 10:10

Analyses	AT	Result	RL	Qual	Units	DF	Analyzed
		Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N		Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/15/2012 09:25**
Nitrogen, Ammonia (As N)	A	***ND***	0.10		mg/L	1	08/15/2012 10:53

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FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

B = Detected in the associated method Blank at a concentration above the routine RL
b = Detected in the associated method Blank at a concentration greater than 2.2 times the MDL
b* = Detected in the associated method Blank at a concentration greater than half the RL
CFU = Colony forming units
D = Dilution performed on sample
DF = Dilution Factor
g = Gram
E = Value above quantitation range
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference
J = Analyte concentration detected between RL and MDL (Metals / Organics)
LOD = Limit of Detection
m3 = Meters cubed
MDL = Method Detection Limit
mg/Kg = Milligrams per Kilogram (ppm)
mg/L = Milligrams per Liter (ppm)
NA = Not Analyzed
ND = Not Detected at the Reporting Limit (or the Method Detection Limit, if used)
NR = Not Recovered
R = RPD outside accepted recovery limits
RL = Reporting Limit
S = Spike recovery outside recovery limits
Surr = Surrogate
U = Undetected
> = Greater than
< = Less than
% = Percent

ANALYTE TYPES: (AT)

A,B = Target Analyte
I = Internal Standard
M = Summation Analyte
S = Surrogate
T = Tentatively Identified Compound (TIC, concentration estimated)

QC SAMPLE IDENTIFICATIONS

BLK = Method Blank
DUP = Method Duplicate
BS = Method Blank Spike
MS = Matrix Spike
ICB = Initial Calibration Blank
CCB = Continuing Calibration Blank
CRL = Client Required Reporting Limit
PDS = Post Digestion Spike
QCS = Quality Control Standard
ICSA = Interference Check Standard "A"
ICSAB = Interference Check Standard "AB"
BSD = Method Blank Spike Duplicate
MSD = Matrix Spike Duplicate
ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification
OPR = Ongoing Precision and Recovery Standard
SD = Serial Dilution

CERTIFICATIONS

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

1 The American Association for Laboratory Accreditation [A2LA] for Biological Testing, ISO/IEC 17025 (Certificate# 3045.01)
2 The American Association for Laboratory Accreditation [A2LA] for Environmental Department of Defense Testing, ISO/IEC 17025 (Certificate# 3045.02)
3 Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #200064)
4 Illinois Department of Public Health for the microbiological analysis of drinking water (registry #1755266)
5 Indiana DEM approved support laboratory for solid waste and wastewater analyses
6 Indiana SDH for the chemical analysis of drinking water (lab #C-45-03)
7 Indiana SDH for the microbiological analysis of drinking water (lab #M-45-8)
8 Kansas Department of Health and Environment for the analysis of drinking water, wastewater, and solid hazardous waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (Certificate No. E-10397)
9 Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #75)
10 North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations(certificate #597)
11 Pennsylvania Department of Environmental Protection (Registration No.: 68-04863)
12 Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

Microbac

COOLER INSPECTION

Date: Wednesday, August 15, 2012

Client Name: Arcelor Mittal USA, Inc.

Date/Time Received: 08/08/2012 10:10

Work Order Number: 12H0322

Received by: Ken Smith

Checklist completed by: 8/8/2012 11:37:00AM | Ken Smith

Reviewed by: 8/8/2012 | CAG

Carrier Name: Microbac

Cooler ID: Default Cooler

Container/Temp Blank Temperature: 6.00°C

After-Hour Arrival?	Yes	☐	No	☑		
Shipping container/cooler in good condition?	Yes	☑	No	☐	Not Present	☐
Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	Not Present	☐
Custody seals intact on sample containers?	Yes	☐	No	☐	Not Present	☑
COC present?	Yes	☑	No	☐		
COC included sufficient client identification?	Yes	☑	No	☐		
COC included sufficient sample collector information?	Yes	☑	No	☐		
COC included a sample description?	Yes	☑	No	☐		
COC agrees with sample labels?	Yes	☑	No	☐		
COC identified the appropriate matrix?	Yes	☑	No	☐		
COC included date of collection?	Yes	☑	No	☐		
COC included time of collection?	Yes	☑	No	☐		
COC identified the appropriate number of containers?	Yes	☑	No	☐		
Samples in proper container/bottle?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
If the samples are preserved, are the preservatives identified?	Yes	☑	No	☐		

If No, adjusted by? _____

COC included the requested analyses?	Yes	☑	No	☐		
COC signed when relinquished and received?	Yes	☑	No	☐		
Samples received on ice?	Yes	☑	No	☐		
Samples properly preserved?	Yes	☑	No	☐		
Voa vials for aqueous samples have zero headspace?	Yes	☐	No	☐	No VOA vials submitted	☑

Cooler Comments:

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.

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Sample ID	Client Sample ID	Comments
12H0322-01	12-1	
12H0322-02	12-1D	
12H0322-03	12-2	
12H0322-04	12-2D	
12H0322-05	12-3	
12H0322-06	12-3D	
12H0322-07	12-4	
12H0322-08	12-4D	
12H0322-09	12-5	
12H0322-10	12-5D	
12H0322-11	12-6	
12H0322-12	12-6D	
12H0322-13	12-7	
12H0322-14	12-7D	
12H0322-15	12-8	
12H0322-16	12-8D	

12H0322 Carey Gadzala
ArcelorMittal - Burns Harbor, IN
TCLPS + Metals
08/08/2012

Microbac® LABORATORY SERVICES

Samples Submitted to: [✓] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664
[ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number 110219

Instructions on back

Client Name: ARCELOR MITTAL
Address: 250 W. US HWY 12
City, State, Zip: BURNS HARBOR IN 46304
Contact: TERI KIRK
Telephone #: 219-787-4643

Project: ORE DOCK WALL
Location: BURNS HARBOR IN
PO #:
Compliance Monitoring? [ ] Yes(1) [✓] No
(1)Agency/Program

Turnaround Time
[✓] Routine (7 working days)
[ ] RUSH* (notify lab)
(needed by)

Report Type
[✓] Results Only [ ] Level II
[ ] Level III [ ] Level III CLP-like
[ ] Level IV [ ] Level IV CLP-like
[ ] EDD

Sampled by (PRINT): STEVEN STANFORD
Sampler Signature: [signature]
Sampler Phone #: 574-271-3447

Send Report via [ ] Mail [ ] Telephone [ ] Fax (fax #) [✓] e-mail (address) theresa.kirk@arcelormittal.com

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)
** **Preservative Types:** (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types ** ↓	TOTAL AMMONIA								For Lab Use Only 12H0322
12-1	GW	Y		N	8-7-12	0920	1	H_2SO_4	✓								01
12-1D	↓	↓		↓	↓	0920	↓	↓	↓								02
12-2						0955											03
12-2D						0955											04
12-3						1010											05
12-3D						1010											06
12-4						1052											07
12-4D						1052											08
12-5						1105											09
12-5D						1105											10
12-6	↓	↓		↓	↓	1125	↓	↓	↓								11

Possible Hazard Identification [ ] Hazardous [✓] Non-Hazardous [ ] Radioactive
Sample Disposition [✓] Dispose as appropriate [ ] Return [ ] Archive

Comments
CUSTODY SEALED AND LEFT IN SECURE ARCELORMITTAL LAB FOR PICKUP

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
[signature]	8-7-12 1313	[signature]	8/7/12 1313
[signature]	8/8/12 0830	[signature]	8/8/12 850
[signature]	8/8/12 1010	Received for Lab By (signature): [signature]	8/8/12 1010

Sample temperature upon receipt in degrees C = 6.0°C

rev. 11/04/04

Page 1 of 2

Microbac®

Samples Submitted to: [X] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664 | [ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number 109016

Instructions on back

Client Name ARCELOR MITAL	**Project** ORE DOCK WALL	**Turnaround Time**	**Report Type**
Address 250 W. US HWY 12	**Location** BURNS HARBOR IN	[X] Routine (7 working days)	[X] Results Only [ ] Level II
City, State, Zip BURNS HARBOR IN 46304	**PO #**	[ ] RUSH* (notify lab)	[ ] Level III [ ] Level III CLP-like
Contact TERI KIRK	Compliance Monitoring? [ ] Yes(1) [X] No	_____ (needed by)	[ ] Level IV [ ] Level IV CLP-like
Telephone # 219-787-4643	(1)Agency/Program		[ ] EDD

Sampled by (PRINT) STEVEN STANFORD **Sampler Signature** _____ **Sampler Phone #** 574-271-3447

Send Report via [ ] Mail [ ] Telephone [ ] Fax (fax #) _____ [ ] e-mail (address) theresa.kirk@arcelormittal.com

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** **Preservative Types:** (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types **	Ammonia								For Lab Use Only
																	12H0322
12-6D	GW	Y		N	8-7-12	1125	1	H_2SO_4	X								12
12-7	↓	↓		↓	↓	1135	↓	↓	↓								13
12-7D						1135											14
12-8						1150											15
12-8D	↓	↓		↓	↓	1150	↓	↓	↓								16

Possible Hazard Identification [ ] Hazardous [X] Non-Hazardous [ ] Radioactive **Sample Disposition** [X] Dispose as appropriate [ ] Return [ ] Archive

Comments	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
CUSTODY SEALED AND LEFT IN SECURE ARCELORMITAL LAB FOR PICKUP		8-7-12 1313		8/7/12 13:13
		8/8/12 0830		8/8/12 0830
Sample temperature upon receipt in degrees C = 6.0°C OI		8/8/12 1010	Received for Lab By (signature)	8/8/12 1010

rev. 11/04/04

ArcelorMittal Burns Harbor, LLC.
Flat Carbon Steel

ArcelorMittal

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. James Filippini
Mr. Douglas Lamb
Water Division Compliance Branch
United States Environmental Protection Agency, Region V
77 West Jackson Boulevard (WC-15J)
Chicago, Illinois 60604-3590

October 9, 2012
PJ/DW

Subject: Annual Dock Wall Observation and Repair
Consent Decree – Case No. 2:96-CV-96-RL-1
ArcelorMittal Burns Harbor LLC

Reference: Letter, R. A. Maciel to Messrs. Filipinni and Lamb, same subject, dated August 31, 2012

Dear Messrs. Filippini and Lamb:

As indicated in the referenced letter, attached are the summary table from the Reference which has been updated to include the dates of repair and photographs of each of the eight (8) locations after repair. Repairs were initiated on September 14 and were completed on September 26, 2012.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

Very truly yours,

R. A. Maciel, Manager
Environmental Management Department

Attachments

CC: J. Jungmann, EPA Region 5 Water Division (WC-15J)
D. P. Bley

ArcelorMittal Burns Harbor, LLC.
Environmental Mgmt. Dept.
250 W. U.S. Highway 12
Burns Harbor, IN 46304
USA

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ArcelorMittal Burns Harbor, LLC
Annual Dock Wall Observation
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 1 – Summary Report of the Annual dock Wall Inspection

ArcelorMittal Burns Harbor, LLC
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Burns Harbor, IN 46304
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ArcelorMittal

ArcelorMittal Burns Harbor, LLC
August 7, 2012 Dock Wall Inspection
Performed by: Weaver Boos Consultants

ID Number	Height Above Water (feet)	Estimated Flow Rate (Liters/minute)	Estimated Flow (Gal/Min)	Ammonia Concentration * (mg/L)	Ammonia Dischage (Pounds/day)	Date of Repair
12-1	0.2	20	5.3	5.0	0.31	9/20/2012
12-2	7	8	2.1	4.8	0.12	9/26/2012
12-3	8	2	0.5	2.2	0.01	9/20/2012
12-4	5	2	0.5	0.8	<0.01	9/19/2012
12-5	7	1.5	0.4	5.5	0.03	9/24/2012
12-6	2	8	2.1	3.2	0.08	9/20/2012
12-7	2	20	5.2	2.5	0.16	9/26/2012
12-8	1	3	0.8	0.1	<.01	9/14/2012

Total Potential Ammonia Discharge (pounds per day) from all locations: 0.73

* Results reported are the larger of the sample and duplicate analysis.

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